

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 59-149354

(43)Date of publication of application : 27.08.1984

(51)Int.Cl.

G03C 1/71

C08F 2/48

(21)Application number : 58-023479

(71)Applicant : TORAY IND INC

(22)Date of filing : 15.02.1983

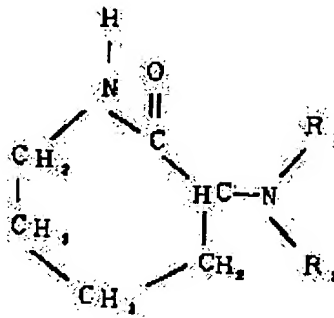
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(54) PHOTSENSITIVE RESIN COMPOSITION

(57)Abstract:

PURPOSE: To improve image reproducibility and durability by compounding a saponified polyvinyl acetate, a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and a specific caprolactam.

CONSTITUTION: This compsn. is formed of (A) 100pts.wt. fully hydrolyzed or partially saponified polyvinyl acetate having 50W100mol% degree of saponification, (B) 20W200pts.wt. a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and (C) 1W50pts.wt. α -N-dialkylamino- ϵ -caprolactam expressed by the formula (in which R₁, R₂ are an alkyl group of C1-15 such as methyl, ethyl or the like, R₁ and R₂ may be the same or different). Water solubility decreases considerably if the degree of saponification of the saponified polyvinyl acetate used as the component (A) is <50mol%. Substantial image reproducibility is unobtainable if the amt. of the component (B) to be used is <20pts.wt. and the relief is brittle if said amt. exceeds conversely 200pts.wt. The above-mentioned photosensitive compsn. has a high degree of image reproducibility and durability.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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File: JPAB

Aug 27, 1984

PUB-NO: JP359149354A
DOCUMENT-IDENTIFIER: JP 59149354 A
TITLE: PHOTSENSITIVE RESIN COMPOSITION

PUBN-DATE: August 27, 1984

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TORAY IND INC

APPL-NO: JP58023479

APPL-DATE: February 15, 1983

INT-CL (IPC): G03C 1/71; C08F 2/48

ABSTRACT:

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